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ICATA & TYRRELL

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Licata & Tyrrell P.C.

66 E. Main Street Markon, New Jersey

Tel: (856) 810-1515 Fax: (856) 810-1454

February /2. 2004

TO: Examiner Shahnan Shah (TC1600)

**GROUP:** 1645

FAX NUMBER: 703-872-9306

ATTORNEY DOCKET NO.: DC-0199

SERIAL NO.: 10/043,539

FILED; January 11, 2002

NUMBER OF PAGES: (3

MESSAGE: Attached please find Executed Power of Attorney with Revocation; Executed Certificate Under 37 CFR 3.73 (b) and Certificate of Transmission by Facsimile.

Kathleen A. Tyrrell, Registration No. 38,350

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PAGE 1/13 \* RCVD AT 2/1/2/2004 1:00:13 PM (Eastern Standard Time) \* SVR:USPTO-EFXRF-1/1 \* DNIS:3729306 \* CSID:856 810 1454 \* DURATION (mm-6s):04-12

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## Licata & Tyrrell P.C.

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1 3	. المستقدم	(		
CERTIFICATE OF Applicant(s): Cheung et	TRANSMISSION BY FACS	SIMILE (37 CFR 1.8)	Docket No. DC-0199	
Serial No. 10/043,539	Filing Date January 11, 2002	Examiner Shahnan Shah, Khatol S	Group Art Unit 1645	
Invention: Compositions and Methods for Affecting Virulence Determinants in Bacteria				
I hereby certify that this Power of Attorney with Revocation; Certificate Under 37 CFR 3.73 (b)  (Identify type of correspondence)				
is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. 703-872-9306				
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		Kathleen A. Tyrre (Typed or Printed Name of Person Sign	ell sing Certificate)	
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TRANSMITTAL LETTER (General - Patent Pending)				Docket No. DC-0199
In Re Application Of: C	Theung et al.			
Serial No. 10/043,539	Filing Date January 11, 2002		xaminer Shah, Khatol S	Group Art Unit 1645
Title: Compositions and	Methods for Affecting Virulence	e Determinates	in Bacteria	
	TO THE COMMISSI	ONER FOR F	PATENTS:	
Transmitted herewith is:  Executed Power of Atto Executed Certificate U	orney with Revocation; nder 37 CFR 3.73 (b) with a copy	of Recorded A	ssignment.	
as described belo ☐ Charge th ⊠ Credit an	is required. nount of is atta ereby authorized to charge and c		Account No.	50-1619
Yathleen A. Tyrrell, Reg.		Dated: I	ebruary /2, 2004	
LICATA & TYRRELL P 66 East Main Street Marlton, N.J. 08053 Tel: 856-810-1515 Fax: 856-810-1454	P.C.		on first class mail under 3	cument and fee is being deposited with the U.S. Postal Service as 7 C.F.R. 1.8 and is addressed to the nts, P.O. Box 1450, Alexandria, VA

cc:

Signature of Person Mailing Correspondence

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.:

11312-006-999 (DC-0199)

Inventors:

Cheung et al.

Serial No.:

10/043,539

Filing Date:

January 11, 2002

Examiner:

Not Yet Assigned

Group Art Unit:

1645

Title:

Compositions and Methods for

Affecting Virulence Determinants in

Bacteria

U.S. Patent & Trademark Office

P.O. Box 1450

Alexandria, VA 22213-1450

Dear Sir:

#### POWER OF ATTORNEY WITH REVOCATION

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, assignee of the entire interest in the above-identified application, hereby appoints Licata & Tyrrell P.C., Jane Massey Licata, Registration No. 32,257, Kathleen A. Tyrrell, Registration No. 38,350, Laura Plunkett, Registration No. 45,015, and, Bridget C. Sciamanna, Registration No. 47,333, of Marlton, New Jersey, as attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Send all future correspondence and address all telephone calls to:

Jane Massey Licata, Esquire Licata & Tyrrell P.C. 66 E. Main Street

Marlton, New Jersey 08053 Phone: (856) 810-1515

Fax: (856) 810-1454

Respectfully submitted,

Name:

Alla Kan

Title:

Director

Technology Transfer Office Trustees of Dartmouth College

Date: Oct. 27, 2003

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.:

11312-006-999 (DC-0199)

Inventors:

Cheung et al.

Serial No.:

10/043,539

Filing Date:

January 11, 2002

Examiner:

Not Yet Assigned

Group Art Unit:

1645

Title:

Compositions and Methods for Affecting Virulence Determinants in Bacteria

#### CERTIFICATE UNDER 37 CFR 3.73(b)

Trustees of Dartmouth College, a corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. The assignment is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own belief are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature
10-27-03
Date

Typed or printed name

<u>Director, Technology Transfer Office</u>
Title



Henry Wa

0308 11315-006-436

JUNE 23, 2003

PENNIE & EDMONDS LLP

1155 AVENUE OF AMERICAS NEW YORK, NY 10036-2711

THOMAS E. FRIEBEL

PTAS

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RECORDATION DATE: 02/10/2003

REEL/FRAME: 013750/0563

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHEUNG, AMBROSE

DOC DATE: 01/30/2003

ASSIGNOR:

MANNA, ADAR

DOC DATE: 01/30/2003

ASSIGNOR:

ZHANG, GONGYI

DOC DATE: 02/07/2003

ASSIGNEE:

TRUSTEES OF DARTMOUTH COLLEGE 11 ROPE FERRY ROAD HANOVER, NEW HAMPSHIRE 03755

SERIAL NUMBER: 10043539

PATENT NUMBER:

FILING DATE: 01/11/2002

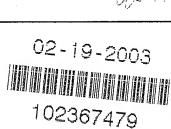
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SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

02-11-03

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*TVER SHEET* 

**ILY** 

Attorney Docket Number 11312-006

PATENTS AND TRADEMARKS

Washington, L. 20231 Please record the attached original documents or copy thereof. 2-10-03 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Trustees of Dartmouth College Name: Ambrose Cheung Adar Manna Gongyi Zhang Address: 11 Rope Ferry Road Additional name(s) of conveying party(ies) attached? □ Yes ⋈ No Hanover, New Hampshire 03755 3. Nature of conveyance: Country (if other than USA): □ Merger □ Security Agreement ☐ Change of Name □ Other Execution Date: January 30, 2003; January 30, 2003 and February 7, 2003 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) \_ A. Patent Application No.(s) 10/043,539 Additional numbers attached? □ Yes ☑ No 6. Number of applications 5. Name and address of party to whom correspondence and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41):....\$ 40.00 PENNIE & EDMONDS LLP Please charge to the deposit account listed in Section 8. 1155 Avenue of Americas New York, N.Y. 10036-2711 8. Deposit account number: 16-1150 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. February 10, 2003

Total number of pages including cover sheet:

02/14/2003 LMUELLER 00000077 161150

Thomas E. Friebel Name of Person Signing

10043539

Reg. No.

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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignment Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, WE, Ambrose Cheung, Adar Manna and Gongyi Zhang, ASSIGNORS, citizens of the United States, residing at 3 Webster Terrace, Hanover, New Hampshire 03755, 24 Parkhurst Street, Lebanon, New Hampshire 03766 and 3635 Hibiscus Way, Denver, Colorado 80273, are the inventors of the invention in Compositions and Methods for Affecting Virulence Determinants in Bacteria for which we have executed an application for a Patent of the United States
□ which is executed on □ even date herewith or □
which is identified by Pennie & Edmonds LLP docket no. 11312-006 which was filed on January 11, 2002, Application No. 10/043,539 like I hereby authorize and request my attorney, of Pennie & Edmonds, LLP, to insert here in parentheses (Application number, filed) the filing date and application number of said application when known.
and WHEREAS, Trustees of Dartmouth College, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.
Date, 2003L.S.
State of ) County of ) SS.:
On, 2003, before me,
personally appeared, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
WITNESS my hand and official seal
State of )
SS.:

Date	, 2003			L.S.
State of ) SS.:	Adar Manna			
County of )				
On, personally appeared, the person(s) whose name(s) is subs in his/her/their authorized capacity(behalf of which the person(s) acted	ies), and that by his/her/th d, executed the instrumer	ieir signature(s) on the ir	n the basis of satisfactory I to me that he/she/they ex astrument the person(s), or	Notary Public, vevidence to be ecuted the same r the entity upon
WITNESS my hand and o	official seal			
State of Colorado SS.:  County of State of Colorado SS.:  County of State of Colorado SS.:  County of SS.:  On Tobardo Tobardo Tobardo Solidado SS.:  personally appeared Solidado Soli	scribed to the within instr (ies), and that by his/her/t	ersonally known to me of the comment and acknowledge their signature(s) on the incomplete their signature in the incomplete their signature (s) on the incomplete the incomp	a to me that he/she/they ex	recuted the same
WITNESS my hand and	official seal	NOTARY	A CONTRACTOR OF THE CONTRACTOR	
State of ) SS.:		W DBLIC		
County of )		MY COMMISSION E	XPIRES:	

### ASSIGNMENT

WHEREAS, WE, Ambrose Cheung, Adar Manna and Gongyi Zhang, ASSIGNORS, citizens of the United States, residing at 3 Webster Terrace, Hanover, New Hampshire 03755, 24 Parkhurst Street, Lebanon, New Hampshire 03766 and 3635 Hibiscus Way, Denver, Colorado 80273, are the inventors of the invention in Compositions and Methods for Affecting Virulence Determinants in Bacteria for which we have executed an application for a Patent of the United States
□ which is executed on □ even date herewith or □
which is identified by Pennie & Edmonds LLP docket no. 11312-006 which was filed on January 11, 2002, Application No. 10/043,539 □ I hereby authorize and request my attorney, , of Pennie & Edmonds, LLP, , to insert here in parentheses (Application number, filed) the filing date and application number of said application when known.
and WHEREAS, Trustees of Dartmouth College, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.
Date January 30, 2003 Ambrose Cheung L.S.
State of New SS.:  County of Transport SS.:
On Jan. 32, 2003, before me, Path Beaulieu, Notary Public, personally appeared Ambrose Cheuns, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
WITNESS my hand and official seal
State of New Herm D5hird SS.: PATTI BEAULIEU, Commissioner of Deeds County of My Commission Expires August 9, 2005

Date 01/30/03	. 2003	Al-	L.S.
	Adar N	Manna	
State of Hempshire) SS.: County of Graffen)			
County of Graffen			
On Jan. 30 personally appeared Aday the person(s) whose name(s) is sub in his/her/their authorized capacity behalf of which the person(s) acte	(ies), and that by n	personally known to me on the basis of nin instrument and acknowledged to me that he nis/her/their signature(s) on the instrument the pastrument.	, Notary Public satisfactory evidence to be she/they executed the same person(s), or the entity upon
WITNESS my hand and		PATTI BEAULIEU, Commissioner of Deeds My Commission Expires August 9, 2005	
State of )			
County of SS.:			•
·			
Date	, 2003 <del></del>	yi Zhang	L.S
	Gongy	yı Zıtalığ	
State of ) SS.:			
County of )			
On	, 2003, before m	ne,	, Notary Public
the person(s) whose name(s) is sub	scribed to the with (ies), and that by h	ne,, personally known to me on the basis of nin instrument and acknowledged to me that he nis/her/their signature(s) on the instrument the instrument.	/she/they executed the same
WITNESS my hand and	official seal	· -	
State of )			
) SS.: County of			